

FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001	APPLICATION NO. 09/695,065
		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>u</i>	AA1	4,673,640	06/16/1987	Backman	435	68	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner	435	6	10/01/1990
	AE1	5,354,668	10/11/1994	Auerbach	435	91.1	10/15/1993
	AF1	5,434,066	07/18/1995	Bebee et al.	435	172.3	03/15/1994
	AG1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AH1	5,591,609	01/07/1997	Auerbach	435	91.2	02/03/1995
	AI1	5,614,389	03/25/1997	Auerbach	435	91.2	09/26/1995
	AJ1	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
<i>u</i>	AK1	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>u</i>	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes
	AM1	EP 0 300 422 A2	01/25/1989	Europe			No
	AN1	WO 91/02801	03/07/1991	WIPO PCT			Yes
	AO1	WO 91/16427	10/31/1991	WIPO PCT			No
<i>u</i>	AP1	WO 92/20791	11/26/1992	WIPO PCT			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage λ xis Gene Product Required for λ Excisive Recombination," <i>J. Biol. Chem.</i> 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc. (1982).
	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," <i>J. Biol. Chem.</i> 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc. (1984).
	AT	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination: Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," <i>J. Biol. Chem.</i> 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc. (1986).

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<i>u</i>	AA2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AB2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AC2	5,710,248	01/20/1998	Grose	530	327	07/29/1996
	AD2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AE2	5,733,733	03/31/1998	Auerbach	435	6	02/01/1996
	AF2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AG2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
	AH2	5,766,891	06/16/1998	Shuman	435	91.41	12/19/1994
	AI2	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AJ2	5,830,707	11/03/1998	Bushman	435	69.7	06/05/1995
<i>↓</i>	AK2	5,837,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>u</i>	AL2	WO 93/15191	08/05/1993	WIPO	PCT		Yes No
	AM2	WO 93/19172	09/30/1993	WIPO	PCT		Yes No
	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
	AO2	WO 94/17176	08/04/1994	WIPO	PCT		Yes No
<i>↓</i>	AP2	WO 95/00555	01/05/1995	WIPO	PCT		Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	2	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," <i>Cell</i> 32:1301-1311, Cell Press (1993).
	AS	2	Adams, D.E., et al., "Cre-lox Recombination in <i>Escherichia coli</i> Cells: Mechanistic Differences from the <i>in Vitro</i> Reaction," <i>J. Mol. Biol.</i> 226:661-673, Academic Press, Inc. (1992).
<i>↓</i>	AT	2	Andrews, B.J., et al., "The FLP Recombinase of the 2 μ Circle DNA of Yeast: Interaction with Its Target Sequences," <i>Cell</i> 40:795-803, Cell Press (1985).

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<i>u</i>	AA3	5,843,772	12/01/1998	Devine et al.	435	69.1	11/18/1994
	AB3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AC3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AD3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AE3	5,874,259	02/23/1999	Szybalski	435	91.1	11/21/1997
	AF3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AG3	5,916,804	06/29/1999	Bushman	435	325	04/17/1998
	AH3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995
	AI3	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AJ3	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
<i>v</i>	AK3	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>u</i>	AL3	WO 97/06265	02/20/1997	WIPO PCT			Yes No
	AM3	WO 97/09436	03/13/1997	WIPO PCT			Yes No
	AN3	WO 97/25446	07/17/1997	WIPO PCT			Yes No
	AO3	WO 97/32481	09/12/1997	WIPO PCT			Yes No
<i>v</i>	AP3	WO 98/10086	03/12/1998	WIPO PCT			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the <i>Saccharomyces cerevisiae</i> 2μm Plasmid with Mutated Target Sequences," <i>Mol. Cell. Biol.</i> 6:2482-2489, American Society for Microbiology (1986).
	AS	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," <i>J. Virol.</i> 69:4600-4606, American Society for Microbiology (1995).
<i>v</i>	AT	3	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," <i>J. Mol. Biol.</i> 225:25-37, Academic Press, Inc. (1992).

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W	AA4	6,040,430	03/21/2000	Stewart	530	358	12/26/1995
	AB4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AC4	5,348,886	09/20/1994	Lee et al.	435	320.1	09/04/1992
	AD4	6,143,557	11/07/2000	Hartley et al.	435	320.1	01/20/1999
	AE4	6,171,861 B1	01/09/2001	Hartley et al.	435	455	01/12/1998
	AF4	5,286,632	02/15/1994	Jones	435	91.2	01/09/1991
	AG4	5,334,575	08/02/1994	Nabi et al.	424	52	07/16/1992
	AH4	5,650,557	07/22/1997	Baum	435	172.3	06/07/1995
↓	AI4	5,728,551	03/17/1998	Devine et al.	435	91.41	03/02/1995
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
W	AL4	WO 99/10488	03/04/1999	WIPO PCT			Yes No
	AM4	WO 00/12687	03/09/2000	WIPO PCT			Yes No
	AN4	EP 1 035 208 A1	09/13/2000	Europe XXXXXX			Yes No
	AO4	WO 94/09127	04/28/1994	WIPO PCT			Yes No
↓	AP4	WO 98/53056	11/26/1998	WIPO PCT			X Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

W	AR	4	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," <i>EMBO J.</i> 5(2):433-440, IRL Press Limited (1986).
	AS	4	Astumian, J.H., et al., "Site-specific recombination between cloned attP and attB sites from the <i>Haemophilus influenzae</i> bacteriophage HPI propagated in recombination deficient <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 171:1747-1750, American Society for Microbiology (1989).
↓	AT	4	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the λ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier/North-Holland (1991).

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<i>m</i>	AL5	WO 99/21977	05/06/1999	WIPO PCT			Yes No
	AM5	WO 99/25851	05/27/1999	WIPO PCT			Yes X No
	AN5	WO 99/55851	11/04/1999	WIPO PCT			Yes No
	AO5	WO 00/060091	10/12/2000	WIPO PCT			Yes No
<i>↓</i>	AP5	WO 01/05961 A1	01/25/2001	WIPO PCT			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>m</i>	AR	5	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, (1995).
<i>↓</i>	AS	5	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc., Boston, MA, pp. 8.5.1-8.5.9 (1995).
<i>↓</i>	AT	5	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," <i>J. Biol. Chem.</i> 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985).

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<i>u</i>	AL6	WO 01/11058 A1	02/15/2001	WIPO PCT			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	<u>6</u>	Balakrishnan, R., et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and <i>p_t</i> expression vectors," <i>Gene</i> 138:101-104, Elsevier/North-Holland (January 1994).
<i>↓</i>	AS	<u>6</u>	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," <i>Plant Mol. Biol.</i> 18:353-361, Dordrecht Kluwer Academic (1992).
<i>↓</i>	AT	<u>6</u>	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," <i>Nucl. Acids Res.</i> 25:2828-2834, Oxford University Press (1997).

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AL							Yes No
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AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	7	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid Ccdb Protein Involves Poisoning of DNA-topoisomerase II Complexes," <i>J. Mol. Biol.</i> 226:735-745, Academic Press, Inc. (1992).
	AS	7	Bernard, P., et al., "Positive Selection of vectors using the F plasmid <i>ccdB</i> killer gene," <i>Gene</i> 148:71-74, Elsevier Science Publishers B.V. (1994).
	AT	7	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," <i>Curr. Biol.</i> 6:1307-1316, Current Biology Ltd. (October 1996).

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AL							Yes No
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<i>u</i>	AR	<u>8</u>	Bhandari, P. and Gowrishankar, J., "An <i>Escherichia coli</i> host strain useful for efficient overproduction of cloned gene products with NaCl as the inducer," <i>J. Bacteriol.</i> 179:4403-4406, American Society for Microbiology (July 1997).
<i>l</i>	AS	<u>8</u>	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," <i>Gene</i> 46:97-101, Elsevier/North-Holland (1986).
<i>v</i>	AT	<u>8</u>	Bloch, C.A., et al., "Purification of <i>Escherichia coli</i> Chromosomal Segments without Cloning," <i>Biochem. Biophys. Res. Comm.</i> 223:104-111, Academic Press, Inc. (1996).

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	AL						Yes No
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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	9	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," <i>J. Bacteriol.</i> 143:926-933, American Society for Microbiology (1980).
<i>↓</i>	AS	9	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," <i>Nucl. Acids Res.</i> 21(4):817-821, Oxford University Press (1993).
<i>↓</i>	AT	9	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2 μ Circle is Site-Specific," <i>Cell</i> 29:227-234, Cell Press (1982).

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<i>m</i>	AR	<u>10</u>	Brunelli, J.P. and Pall, M.L., "A Series of Yeast/ <i>Escherichia coli</i> λ Expression Vectors Designed for Directional Cloning of cDNAs and <i>cre/lox</i> -Mediated Plasmid Excision," <i>Yeast</i> 9:1309-1318, John Wiley & Sons Ltd. (1993).
<i>↓</i>	AS	<u>10</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by <i>In Vivo</i> <i>cre/lox</i> -Mediated Recombination," <i>BioTechniques</i> 16(6):1061-1064, Eaton Publishing Company (June 1994).
<i>↓</i>	AT	<u>10</u>	Bubeck, P., et al., "Rapid cloning by homologous recombination <i>in vivo</i> ," <i>Nucl. Acids Res.</i> 21:3601-3602, Oxford University Press (1993).

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AL							Yes No
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AP							Yes No

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<i>W</i>	AR	<u>11</u>	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," <i>Nucl. Acids Res.</i> 24(15):3118-3119, Oxford University Press (1996).
<i>↓</i>	AS	<u>11</u>	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," <i>Nucl. Acids Res.</i> 24(21):4256-4262, Oxford University Press (1996).
<i>↓</i>	AT	<u>11</u>	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," <i>Science</i> 230:906-911, Association for the Advancement of Science (1985).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001	APPLICATION NO. 09/695,065
		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
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<i>u</i>	AR	12	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," <i>J. Bacteriol.</i> 174(23):7495-7499, American Society for Microbiology (1992).
<i>↓</i>	AS	12	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," <i>Biochem.</i> 34:2289-2301, American Chemical Society (1995).
<i>↓</i>	AT	12	Chatterjee, P.K., and Coren, J.S., "Isolating large nested deletions in bacterial and P1 artificial chromosomes by <i>in vivo</i> P1 packaging of products of Cre-catalyzed recombination between the endogenous and a transposed <i>loxP</i> site," <i>Nucl. Acids Res.</i> 25:2205-2212, Oxford University Press (1997).

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<i>W</i>	AR	<u>13</u>	Cox, M.M., "The FLP protein of the yeast 2-μm plasmid: Expression of a eukaryotic genetic recombination system in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 80:4223-4227, National Academy of Sciences of the USA, Washington, D.C. (1983).
<i>↑</i>	AS	<u>13</u>	Craig, N.L. and Nash, H.A., "The Mechanism of Phage λ Site-Specific Recombination: Site-Specific Breakage of DNA by Int Topoisomerase," <i>Cell</i> 35:795-803, Cell Press, Cambridge, MA (1983).
<i>↓</i>	AT	<u>13</u>	Dale, E.C. and Ow, D.W., "Intra- and intermolecular site-specific recombination in plant cells mediated by bacteriophage P1 recombinase," <i>Gene</i> 91:79-85, Elsevier/North-Holland, Netherlands (1990).

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<i>W</i>	AR	<u>14</u>	Dale, E.C. and Ow, D.W., "Gene transfer with subsequent removal of the selection gene from the host genome," <i>Proc. Natl. Acad. Sci. USA</i> 88:10558-10562, National Academy of Sciences of the USA (1991).
<i>↓</i>	AS	<u>14</u>	Dang, D.T. and Perrimon, N., "Use of a Yeast Site-Specific Recombinase to Generate Embryonic Mosaics in <i>Drosophila</i> ," <i>Develop. Genetics</i> 13:367-375, Wiley-Liss, Inc. (1992).
<i>↓</i>	AT	<u>14</u>	Degryse, E., "In vivo intermolecular recombination in <i>Escherichia coli</i> : application to plasmid constructions," <i>Gene</i> 170:45-50, Elsevier/North-Holland (1996).

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<i>M</i>	AR	<u>15</u>	Devine, S. E., and Boeke, J.D., "Efficient integration of artificial transposons into plasmid targets <i>in vitro</i> : a useful tool for DNA mapping, sequencing and genetic analysis," <i>Nucl. Acids Res.</i> 22(18):3765-3772, Oxford University Press (September 1994).
<i>↓</i>	AS	<u>15</u>	Diederich, L., et al., "New Cloning Vectors for Integration into the λ Attachment Site <i>attB</i> of the <i>Escherichia coli</i> Chromosome," <i>Plasmid</i> 28:14-24, Academic Press (1992).
<i>↓</i>	AT	<u>15</u>	Dymecki, S. M., "A modular set of <i>Flp</i> , <i>FRT</i> and <i>lacZ</i> fusion vectors for manipulating genes by site-specific recombination," <i>Gene</i> 171:197-201, Elsevier/North-Holland (June 1996).

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		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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<i>W</i>	AR	<u>16</u>	Elledge, S.J., et al., "AYES: A multifunctional cDNA expression vector for the isolation of genes by complementation of yeast and <i>Escherichia coli</i> mutations," <i>Proc. Natl. Acad. Sci. USA</i> 88:1731-1735, National Academy of Sciences of the USA (1991).
<i>↓</i>	AS	<u>16</u>	Feil, R., et al., "Regulation of Cre Recombinase Activity by Mutated Estrogen Receptor Ligand-Binding Domains," <i>Biochem. Biophys. Res. Comm.</i> 237:752-757, Academic Press, Inc. (1997).
<i>↓</i>	AT	<u>16</u>	Ferguson, J., et al., "Construction and characterization of three yeast- <i>Escherichia coli</i> shuttle vectors designed for rapid subcloning of yeast genes on small DNA fragments," <i>Gene</i> 16:191-197, Elsevier/North-Holland (1981).

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		APPLICANT Brasch et al.	
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<i>u</i>	AR	<u>17</u>	Fiering, S., et al., "An "in-out" strategy using gene targeting and FLP recombinase for the functional dissection of complex DNA regulatory elements: Analysis of the β -globin locus control region," <i>Proc. Natl. Acad. Sci. USA</i> 90:8469-8473, National Academy of Sciences of the USA (1993).
<i>l</i>	AS	<u>17</u>	Filutowicz, M., et al., "Purification of the <i>Escherichia coli</i> integration host factor (IHF) in one chromatographic step," <i>Gene</i> 147:149-150, Elsevier/North-Holland (September 1994).
<i>↓</i>	AT	<u>17</u>	Francia, M.V., and Lobo, J.M.G., "Gene Integration in the <i>Escherichia coli</i> Chromosome Mediated by Tn21 Integrase (Int21)," <i>J. Bacteriol.</i> 178:894-898, American Society for Microbiology (February 1996).

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<i>W</i>	AR	<u>18</u>	Fukushige, S. and Sauer, B., "Genomic targeting with a positive-selection lox integration vector allows highly reproducible gene expression in mammalian cells," <i>Proc. Natl. Acad. Sci. USA</i> 89:7905-7909, National Academy of Sciences of the USA (1992).
<i>l</i>	AS	<u>18</u>	Geoffroy, F., et al., "A new phage display system to construct multicombinatorial libraries of very large antibody repertoires," <i>Gene</i> 151:109-113, Elsevier/North-Holland (December 1994).
<i>↓</i>	AT	<u>18</u>	Glasgow, A.C., et al., "DNA-binding Properties of the Hin Recombinase," <i>J. Biol. Chem.</i> 264:10072-10082, American Society for Biochemistry and Molecular Biology, Inc. (1989).

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<i>u</i>	AR	<u>19</u>	Golic, K. G. and Lindquist, S., "The FLP Recombinase of Yeast Catalyzes Site-Specific Recombination in the Drosophila Genome," <i>Cell</i> 59:499-509, Cell Press (1989).
<i>l</i>	AS	<u>19</u>	Gu, H., et al., "Deletion of a DNA Polymerase β Gene Segment in T Cells Using Cell Type-Specific Gene Targeting," <i>Science</i> 265:103-106, Association for the Advancement of Science (1994).
<i>v</i>	AT	<u>19</u>	Guo, F., et al., "Asymmetric DNA bending in the Cre-loxP site-specific recombination synapse," <i>Proc. Natl. Acad. Sci. USA</i> 96:7143-7148, National Academy of Sciences of the USA (1999).

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	AP						Yes No

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<i>M</i>	AR	<u>20</u>	Hardy, S., et al., "Construction of Adenovirus Vectors through Cre-lox Recombination," <i>J. Virol.</i> 71(3):1842-1849, American Society for Microbiology (1997).
<i>↓</i>	AS	<u>20</u>	Hasan, N., and Szybalski, W., "Control of cloned gene expression by promoter inversion in vivo: construction of improved vectors with a multiple cloning site and the <i>p_{lac}</i> promoter," <i>Gene</i> 56:145-151, Elsevier/North-Holland (1987).
<i>↓</i>	AT	<u>20</u>	Hasan, N., et al., "Escherichia coli genome targeting, I. Cre-lox-mediated in vitro generation of <i>ori</i> ^r plasmids and their in vivo chromosomal integration and retrieval," <i>Gene</i> 150:51-56, Elsevier/North-Holland (December 1994).

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<i>u</i>	AR	<u>21</u>	Hashimoto-Gotoh, T., et al., "Improved vector, pHSG664, for direct streptomycin-resistance selection: cDNA cloning with G:C-tailing procedure and subcloning of double-digested DNA fragments," <i>Gene</i> 41:125-128, Elsevier/North-Holland (1986).
<i>↓</i>	AS	<u>21</u>	Hoekstra, M. F., et al., "Shuttle Mutagenesis: Bacterial Transposons for Genetic Manipulations in Yeast," <i>Meth. Enzymol.</i> 194:329-342, Academic Press Inc. (1991).
<i>↓</i>	AT	<u>21</u>	Hoess, R.H., et al., "P1 site-specific recombination: Nucleotide sequence of the recombining sites," <i>Proc. Natl. Acad. Sci. USA</i> 79:3398-3402, National Academy of Sciences of the USA (1982).

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<i>M</i>	AR	<u>22</u>	Hoess, R.H., et al., "Mechanism of Strand Cleavage and Exchange in the Cre-lox Site-specific Recombination System," <i>J. Mol. Biol.</i> 181:351-362, Academic Press, Inc. (1985).
<i>1</i>	AS	<u>22</u>	Hoess, R., et al., "Formation of small circular DNA molecules via an in vitro site-specific recombination system," <i>Gene</i> 40:325-329, Elsevier/North-Holland (1985).
<i>V</i>	AT	<u>22</u>	Hoess, R. H., et al., "The role of the loxP spacer region in P1 site-specific recombination," <i>Nucl. Acids Res.</i> 14(5):2287-2300, Oxford University Press (1986).

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<i>u</i>	AR	<u>23</u>	Hoess, R. H., and Abremski, K., "The Cre-lox Recombination System," in: <i>Nucleic Acids and Molecular Biology</i> , Vol. 4, ed. by Eckstein, F. and D. M. J. Lilley, Springer-Verlag, Berlin, pp 99-109 (1990).
<i>↓</i>	AS	<u>23</u>	Hoogenboom, H.R., et al., "Multi-subunit proteins on the surface of filamentous phage: methodologies for displaying antibody (Fab) heavy and light chains," <i>Nucl. Acids Res.</i> 19:4133-4137, Oxford University Press (1991).
<i>↓</i>	AT	<u>23</u>	Holt, C.L., and May, G.S., "A novel phage λ replacement Cre-lox vector that has automatic subcloning capabilities," <i>Gene</i> 133:95-97, Elsevier/North-Holland (1993).

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<i>M</i>	AR	<u>24</u>	Jaffé, A., et al., "Effects of the ccd Function of the F Plasmid on Bacterial Growth," <i>J. Bacteriol.</i> 163:841-849, American Society for Microbiology (1985).
<i>↓</i>	AS	<u>24</u>	Kanaar, R., et al., "Gin-Mediated Recombination of Catenated and Knotted DNA Substrates: Implications for the Mechanism of Interaction Between Cis-Acting Sites," <i>Cell</i> 58:147-159, Cell Press (1989).
<i>↓</i>	AT	<u>24</u>	Katz, L., et al., "Site-specific Recombination in <i>Escherichia coli</i> between the att sites of plasmid pSE211 from <i>Saccharopolyspora erythraea</i> ," <i>Mol. Gen. Genet.</i> 227:155-159, Springer-Verlag (1991).

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	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>25</u>	Kilby, N.J., et al., "Site-specific recombinases: tools for genome engineering," <i>Trends Genet.</i> 9:413-421, Elsevier Science Publishers Ltd. (1993).
<i>↓</i>	AS	<u>25</u>	Kim, S., et al., "Lambda Int Protein Bridges Between Higher Complexes at Two Distant Chromosomal Loci attL and attR," <i>Science</i> 256:198-203, Association for the Advancement of Science (1992).
<i>↓</i>	AT	<u>25</u>	Kozak, M., "Comparison of Initiation of Protein Synthesis in Prokaryotes, Eucaryotes, and Organelles," <i>Microbiol. Rev.</i> 47:1-45, American Society For Microbiology (1983).

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		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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<i>u</i>	AR	<u>26</u>	Kozak, M., "An analysis of 5'-noncoding sequences from 695 vertebrate messenger RNAs," <i>Nucl. Acids res.</i> 15:8125-8149, Oxford University Press (1987).
<i>↓</i>	AS	<u>26</u>	Kozak, M., "Structural features in eukaryotic mRNAs that modulate the initiation of translation," <i>J. Biol. Chem.</i> 266:19867-19870, American Society for Biochemistry and Molecular Biology, Inc. (1991).
<i>↓</i>	AT	<u>26</u>	Kühn, R., et al., "Inducible Gene Targeting in Mice," <i>Science</i> 269:1427-1429, Association for the Advancement of Science (September 1995).

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<i>W</i>	AR	<u>27</u>	Lafontaine, D., and Tollervey, D., "One-step PCR mediated strategy for the construction of conditionally expressed and epitope tagged yeast proteins," <i>Nucl. Acids Res.</i> 24:2469-2472, Oxford University Press (1996).
<i>↓</i>	AS	<u>27</u>	Lakso, M., et al., "Targeted oncogene activation by site-specific recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6232-6236, National Academy of Sciences of the USA (1992).
<i>↓</i>	AT	<u>27</u>	Lander, E.S., "The New Genomics: Global Views of Biology," <i>Science</i> 274:536-539, Association for the Advancement of Science (October 1996).

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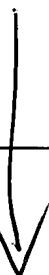
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	AR	28	Landy, A., "Dynamic, Structural, and Regulatory Aspects of λ Site-Specific Recombination," <i>Annu. Rev. Biochem.</i> 58:913-949, American Chemical Society (1989).
	AS	28	Landy, A., "Mechanistic and structural complexity in the site-specific recombination pathways of Int and FLP," <i>Curr. Op. Genet. Develop.</i> 3:699-707, Current Biology Ltd. (1993).
	AT	28	Lebreton, B., et al., "Mutations That Improve the Binding of Yeast FLP Recombinase to Its Substrate," <i>Genetics</i> 118:393-400, Genetics Society of America (1988).

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<i>u</i>	AR	<u>29</u>	Lee, E.C., et al., "Genetic Analysis of <i>Escherichia coli</i> Integration Host Factor Interactions with Its Bacteriophage λ H' Recognition Site," <i>J. Bacteriol.</i> 173:609-617, American Society for Microbiology (1991).
<i>l</i>	AS	<u>29</u>	Leong, J.M., et al., "Generation of single base-pair deletions, insertions, and substitutions by a site-specific recombination system," <i>Proc. Natl. Acad. Sci. USA</i> 82:6990-6994, National Academy of Sciences of the USA (1985).
<i>v</i>	AT	<u>29</u>	Liu, Q., et al., "The univector plasmid-fusion system, a method for rapid construction of recombinant DNA without restriction enzymes," <i>Curr. Biol.</i> 8:1300-1309, Current Biology Ltd. (1998).

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<i>M</i>	AR	<u>30</u>	Lorbach, E. et al., "Site-specific Recombination in Human Cells Catalyzed by Phage λ Integrase Mutants," <i>J. Mol. Biol.</i> 296:1175-1181, Academic Press, Inc. (March 2000).
<i>↓</i>	AS	<u>30</u>	Luckow, V. A., et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ," <i>J. Virol.</i> 67(8):4566-4579, American Society for Microbiology (1993).
<i>↓</i>	AT	<u>30</u>	Maeser, S., and Kahmann, R., "The Gin recombinase of phage Mu can catalyze site-specific recombination in plant protoplasts," <i>Mol. Gen. Genet.</i> 230:170-176, Springer-Verlag (1991).

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<i>M</i>	AR	<u>31</u>	Matsuzaki, H., et al., "Chromosome Engineering in <i>Saccharomyces cerevisiae</i> by Using a Site-Specific Recombination System of a Yeast Plasmid," <i>J. Bacteriol.</i> 172:610-618, American Society for Microbiology (1990).
<i>AS</i>	AS	<u>31</u>	Mahillon, J., et al., "IS231 and other <i>Bacillus thuringiensis</i> transposable elements: a review," <i>Genetica</i> 93:13-26, Dordrecht Kluwer Academic Publishers (November 1994).
<i>AT</i>	AT	<u>31</u>	McCarthy, J.E. and Brimacombe, R., "Prokaryotic translation: the interactive pathway leading to initiation," <i>Trends Genet.</i> 10:402-407, Elsevier Science Publishers Ltd. (November 1994).

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AO							Yes No
AP							Yes No

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<i>M</i>	AR	<u>32</u>	Medberry, S.L., et al., "Intra-chromosomal rearrangements generated by Cre-lox site-specific recombination," <i>Nucl. Acids Res.</i> 23:485-490, Oxford University Press (1995).
<i>↓</i>	AS	<u>32</u>	Miki, T. et al., "Control of Segregation of Chromosomal DNA by Sex Factor F in <i>Escherichia coli</i> . Mutants of DNA Gyrase Subunit A Suppress <i>letD</i> (<i>ccdB</i>) Product Growth Inhibition," <i>J. Mol. Biol.</i> 225:39-52, Academic Press, Inc. (1992).
<i>↓</i>	AT	<u>32</u>	Mizuuchi, K., and Mizuuchi, M., "Integrative Recombination of Bacteriophage λ : In Vitro Study of the Intermolecular Reaction," <i>Cold Spring Harb. Symp. Quant. Biol.</i> 43:1111-1114, Cold Spring Harbor Laboratory Press (1979).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>33</u>	Mizuuchi, M. and Mizuuchi, K., "The extent of DNA sequence required for a functional bacterial attachment site of phage lambda," <i>Nucl. Acids Res.</i> 13:1193-1208, Oxford University Press (1985).
<i>↑</i>	AS	<u>33</u>	Mozo, T. and Hooykaas, P. J.J., "Design of a novel system for the construction of vectors for Agrobacterium-mediated plant transformation," <i>Mol. Gen. Genet.</i> 236:1-7, Springer-Verlag (1992).
<i>↓</i>	AT	<u>33</u>	Mullins, L.J., et al., "Efficient Cre-lox linearisation of BACs: applications to physical mapping and generation of transgenic animals," <i>Nucl. Acids Res.</i> 25(12):2539-2540, Oxford University Press (1997).

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AP							Yes No

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<i>M</i>	AR	<u>34</u>	Nagaraja, R. and Weisberg, R. A., "Specificity Determinants in the Attachment Sites of Bacteriophages HK022 and λ ," <i>J. Bacteriol.</i> 172:6540-6550, American Society for Microbiology (1990).
<i>l</i>	AS	<u>34</u>	Nash, H.A., "Integrative Recombination of Bacteriophage Lambda DNA In Vitro," <i>Proc. Natl. Acad. Sci. USA</i> 72:1072-1076, National Academy of Sciences of the USA (1975).
<i>↓</i>	AT	<u>34</u>	Nash, H.A., and Robertson, C.A., "Purification and properties of the <i>Escherichia coli</i> protein factor required for lambda integrative recombination," <i>J. Biol. Chem.</i> 256:9246-9253, American Society for Biochemistry and Molecular Biology, Inc. (1981).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>35</u>	Nash, H. A., "Purification and Properties of the Bacteriophage Lambda Int Protein," <i>Meth. Enzymol.</i> 100:210-216, Academic Press Inc. (1983).
<i>↓</i>	AS	<u>35</u>	Nash, H. A., et al., "Role of homology in site-specific recombination of bacteriophage λ: Evidence against joining of cohesive ends," <i>Proc. Natl. Acad. Sci. USA</i> 84:4049-4053, National Academy of Sciences of the USA (1987).
<i>↓</i>	AT	<u>35</u>	Nash, H. and C.A. Robertson, "Heteroduplex substrates for bacteriophage lambda site-specific recombination: cleavage and strand transfer products," <i>EMBO J.</i> 8:3523-3533, IRL Press Limited (1989).

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<i>W</i>	AR	<u>36</u>	Nash, H.A., "Bending and supercoiling of DNA at the attachment site of bacteriophage λ ," <i>Trends Biochem. Sci.</i> 15:222-227, International Union of Biochemistry and Elsevier Trends Journal (1990).				
<i>↓</i>	AS	<u>36</u>	Numrych, T. E., et al., "A comparison of the effects of single-base and triple-base changes in the integrase arm-type binding sites on the site-specific recombination of bacteriophage lambda," <i>Nucl. Acids Res.</i> 18:3953-3959, Oxford University Press (1990).				
<i>↓</i>	AT	<u>36</u>	Numrych, T.E., et al., "Characterization of the bacteriophage lambda excisionase (Xis) protein: the C-terminus is required for Xis-integrase cooperativity but not for DNA binding," <i>EMBO J.</i> 11(10):3797-3806, IRL Press Limited (1992).				
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<i>M</i>	AR	37	Nunes-Düby, S.E., et al., "Half-att Site Substrates Reveal the Homology Independence and Minimal Protein Requirements for Productive Synapsis in λ Excisive Recombination," <i>Cell</i> 59:197-206, Cell Press (1989).
<i>↓</i>	AS	37	Nunes-Düby, et al., "Similarities and differences among 105 members of the Int family of site-specific recombinases," <i>Nucl. Acids Res.</i> 26:391-406, Oxford University Press (1998).
<i>↓</i>	AT	37	Oberto, J., et al., "A segment of the phage HK022 chromosome is a mosaic of other lambdoid chromosomes," <i>Nucl. Acids Res.</i> 22(3):354-356, Oxford University Press (February 1994).

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<i>u</i>	AR	38	Oliner, J.D., et al., "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucl. Acids Res.</i> 21:5192-5197, Oxford University Press (1993).
<i>↓</i>	AS	38	Orban, P. C., et al., "Tissue- and site-specific DNA recombination in transgenic mice," <i>Proc. Natl. Acad. Sci. USA</i> 89:6861-6865, National Academy of Sciences of the USA (1992).
<i>↓</i>	AT	38	Osborne, B.I., et al., "A system for insertional mutagenesis and chromosomal rearrangement using the <i>Ds</i> transposon and <i>Cre-lox</i> ," <i>Plant J.</i> 7:687-701, Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (1995).

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>39</u>	Padgett, K. A. and Sorge, J. A., "Creating seamless junctions independent of restriction sites in PCR cloning," <i>Gene</i> 168:31-35, Elsevier/North-Holland (February 1996).
<i>↓</i>	AS	<u>39</u>	Palazzolo, M. J., et al., "Phage lambda cDNA cloning vectors for subtractive hybridization, fusion-protein synthesis and Cre-loxP automatic plasmid subcloning," <i>Gene</i> 88:25-36, Elsevier/North-Holland (1990).
<i>↓</i>	AT	<u>39</u>	Pan, G., et al., "Ligation of Synthetic Activated DNA Substrates by Site-specific Recombinases and Topoisomerase I," <i>J. Biol. Chem.</i> 268(5):3683-3689, American Society for Biochemistry and Molecular Biology, Inc. (1993).

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		FILING DATE October 25, 2000	GROUP 1655

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<i>W</i>	AR	40		Parks, R.J., and Graham, F.L., "A Helper-Dependent System for Adenovirus Vector Production Helps Define a Lower Limit for Efficient DNA Packaging," <i>J. Virol.</i> 71(4):3293-3298, American Society for Microbiology (1997).			
<i>l</i>	AS	40		Peakman, T. C., et al., "Highly efficient generation of recombinant baculoviruses by enzymatically mediated site-specific <i>in vitro</i> recombination," <i>Nucl. Acids Res.</i> 20:495-500, Oxford University Press (1992).			
<i>↓</i>	AT	40		Peredelchuk, M.Y., and Bennett, G.N., "A method for construction of <i>E. coli</i> strains with multiple DNA insertions in the chromosome," <i>Gene</i> 187:231-238, Elsevier/North-Holland (1997).			

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<i>W</i>	AR	<u>41</u>	Pichel, J. G., et al., "Timing of SV40 oncogene activation by site-specific recombination determines subsequent tumor progression during murine lens development," <i>Gene</i> 8:3333-3342, Elsevier/North-Holland (1993).
<i>↓</i>	AS	<u>41</u>	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," <i>Proc. Natl. Acad. Sci. USA</i> 89:2056-2060, National Academy of Sciences of the USA (1992).
<i>↓</i>	AT	<u>41</u>	Podhajska, A. J., et al., "Control of cloned gene expression by promoter inversion in vivo: construction of the heat-pulse-activated att-nutL-p-att-N module," <i>Gene</i> 40:163-168, Elsevier/North-Holland (1985).

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	AR	42	Pósfai, G., et al., "In vivo excision and amplification of large segments of the <i>Escherichia coli</i> genome," <i>Nucl. Acids Res.</i> 22(12):2392-2393, Oxford University Press (June 1994).
	AS	42	Prasad, P. V., et al., "Substrate Recognition by the 2μm Circle Site-Specific Recombinase: Effect of Mutations within the Symmetry Elements of the Minimal Substrate," <i>Mol. Cell. Biol.</i> 6:4329-4334, American Society for Microbiology (1986).
	AT	42	Qian, X., et al., "Reactions between Half- and Full-FLP Recombination Target Sites: A Model System for Analyzing Early Steps in FLP Protein-Mediated Site-Specific Recombination," <i>J. Biol. Chem.</i> 267(11):7794-7805, American Society for Biochemistry and Molecular Biology, Inc. (1992).

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<i>W</i>	AR	<u>43</u>	Reed, R.R., "Transposon-Mediated Site-Specific Recombination: A Defined in Vitro System," <i>Cell</i> 25:713-719, Cell Press (1981).
<i>↓</i>	AS	<u>43</u>	Reed, R.R. and N.D. Grindley, "Transposon-Mediated Site-Specific Recombination in Vitro: DNA Cleavage and Protein-DNA Linkage at the Recombination Site," <i>Cell</i> 25:721-728, Cell Press (1981).
<i>↓</i>	AT	<u>43</u>	Richet, E., et al., "The Interaction of Recombination Proteins with Supercoiled DNA: Defining the Role of Supercoiling in Lambda Integrative Recombination," <i>Cell</i> 46:1011-1021, Cell Press (1986).

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<i>W</i>	AR	44	Richet, E., et al., "Synapsis of Attachment Sites during Lambda Integrative Recombination Involves Capture of a Naked DNA by a Protein-DNA Complex," <i>Cell</i> 52:9-17, Cell Press (1988).
<i>↓</i>	AS	44	Sadowski, P., "Site-Specific Recombinases: Changing Partners and Doing the Twist," <i>J. Bacteriol.</i> 165(2):341-347, American Society for Microbiology (1986).
<i>↓</i>	AT	44	Sadowski, P.D., "The Flp recombinase of the 2-microns plasmid of <i>Saccharomyces cerevisiae</i> ," <i>Prog. Nucl. Acid Res. Mol. Biol.</i> 51:53-91, Academic Press (1995).

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<i>W</i>	AR	45	Sauer, B., et al., "Site-specific insertion of DNA into a pseudorabies virus vector," <i>Proc. Natl. Acad. Sci. USA</i> 84:9108-9112, National Academy of Sciences of the USA (1987).
<i>↓</i>	AS	45	Sauer, B., "Functional Expression of the cre-lox Site-Specific Recombination System in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Mol. Cell. Biol.</i> 7:2087-2096, American Society for Microbiology (1987).
<i>↓</i>	AT	45	Sauer, B. and Henderson, N., "The cyclization of linear DNA in <i>Escherichia coli</i> by site-specific recombination," <i>Gene</i> 70:331-341, Elsevier/North-Holland (1988).

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		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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AO							Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>46</u>	Sauer, B. and Henderson, N., "Cre-stimulated recombination at loxP-containing DNA sequences placed into the mammalian genome," <i>Nucl. Acids Res.</i> 17:147-161, Oxford University Press (1989).
<i>↓</i>	AS	<u>46</u>	Sauer, B., "Manipulation of Transgenes by Site-Specific Recombination: Use of Cre Recombinase," <i>Meth. Enzymol.</i> 225:890-900, Academic Press Inc. (1993).
<i>↓</i>	AT	<u>46</u>	Sauer, B., "Site-specific recombination: developments and applications," <i>Curr. Op. Biotechnol.</i> 5:521-527, Current Biology, Ltd. (October 1994).

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	47	Sauer, B., "Multiplex Cre/lox recombination permits selective site-specific DNA targeting to both a natural and an engineered site in the yeast genome," <i>Nucl. Acids Res.</i> 24(23):4608-4613, Oxford University Press (1996).
<i>↓</i>	AS	47	Sauer, B., "Inducible Gene Targeting in Mice Using the Cre/lox System," <i>Methods</i> 14:381-392, Academic Press, Inc. (April 1998).
<i>↓</i>	AT	47	Schindelhauer, D., and Cooke, H.J., "Efficient combination of large DNA <i>in vitro</i> : in gel site specific recombination (IGSSR) of PAC fragments containing a satellite DNA and the human HPRT gene locus," <i>Nucl. Acids Res.</i> 25(11):2241-2243, Oxford University Press (1997).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>48</u>	Schlake, T., and Bode, J., "Use of Mutated FLP Recognition Target (FRT) Sites for the Exchange of Expression Cassettes at Defined Chromosomal Loci," <i>Biochem.</i> 33:12746-12751, American Chemical Society (November 1994).
<i>↓</i>	AS	<u>48</u>	Segall, A. M. and Nash, H. A., "Synaptic intermediates in bacteriophage lambda site-specific recombination: integrase can align pairs of attachment sites," <i>EMBO J.</i> 12:4567-4576, IRL Press Limited (1993).
<i>↓</i>	AT	<u>48</u>	Segall, A.M., and Nash, H.A., "Architectural flexibility in lambda site-specific recombination: three alternate conformations channel the attL site into three distinct pathways," <i>Genes to Cells</i> 1:453-463, Blackwell Science Ltd. (1996).

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<i>W</i>	AR	49	Senecoff, J.F., et al., "DNA Recognition by the FLP Recombinase of the Yeast 2 μ Plasmid - A Mutational Analysis of the FLP Binding Site," <i>J. Mol. Biol.</i> 201:405-421, Academic Press, Inc. (1988).
	AS	49	Sheffield, P. et al., "Overcoming Expression and Purification Problems of RhoGDI Using a Family of "Parallel" Expression Vectors," <i>Protein Expr. Purific.</i> 15:34-39, Academic Press (1999).
<i>↓</i>	AT	49	Shuman, S., "Recombination mediated by vaccinia virus DNA topoisomerase I in <i>Escherichia coli</i> is sequence specific," <i>Proc. Natl. Acad. Sci. USA</i> 88:10104-10108, National Academy of Sciences of the USA (1991).

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		FILING DATE October 25, 2000	GROUP 1655

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<i>W</i>	AR	50	Sizemore, C., et al., "Quantitative analysis of Tn10 Tet repressor binding to a complete set of tet operator mutants," <i>Nucl. Acids Res.</i> 18(10):2875-2880, Oxford University Press (1990).
<i>↓</i>	AS	50	Smith, A.J.H., et al., "A site-directed chromosomal translocation induced in embryonic stem cells by Cre-LoxP recombination," <i>Nat. Gen.</i> 9:376-385, Nature Publishing Co. (April 1995).
<i>↓</i>	AT	50	Snaith, M.R., et al., "Multiple cloning sites carrying LoxP and FRT recognition sites for the Cre and Flp site-specific recombinases," <i>Gene</i> 166:173-174, Elsevier/North-Holland (December 1995).

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<i>W</i>	AR	<u>51</u>	Spengler, S.J., et al., "The Stereostructure of Knots and Catenanes Produced by Phage λ Integrative Recombination: Implications for Mechanism and DNA Structure," <i>Cell</i> 42:325-334, Cell Press (1985).
<i>↓</i>	AS	<u>51</u>	Sternberg, N., et al., "Site-specific Recombination and Its Role in the Life Cycle of Bacteriophage P1," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 45:297-309, Cold Spring Harbor Laboratory Press (1981).
<i>↓</i>	AT	<u>51</u>	Sternberg, N., et al., "Bacteriophage P1 cre Gene and its Regulatory Region," <i>J. Mol. Biol.</i> 187:197-212, Academic Press, Inc. (1986).

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<i>u</i>	AR	52	Sternberg, N., "Bacteriophage P1 cloning system for the isolation, amplification, and recovery of DNA fragments as large as 100 kilobase pairs," <i>Proc. Natl. Acad. Sci. USA</i> 87:103-107, National Academy of Sciences of the USA (1990).
<i>↓</i>	AS	52	Storck, T., et al., "Rapid construction in yeast of complex targeting vectors for gene manipulation in the mouse," <i>Nucl. Acids Res.</i> 24:4594-4596, Oxford University Press (1996).
<i>↓</i>	AT	52	Strathmann, M., et al., "Transposon-facilitated DNA sequencing," <i>Proc. Natl. Acad. Sci. USA</i> 88:1247-1250, National Academy of Sciences of the USA (1991).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>53</u>	Thompson, J. F., et al., "Mutations in an Integration Host Factor-Binding Site: Effect on Lambda Site-Specific Recombination and Regulatory Implications," <i>J. Bacteriol.</i> 168:1343-1351, American Society for Microbiology (1986).
<i>↓</i>	AS	<u>53</u>	Thompson, J.F., et al., "Helical-repeat dependence of integrative recombination of bacteriophage λ : Role of the <i>P1</i> and <i>H1</i> protein binding sites," <i>Proc. Natl. Acad. Sci. USA</i> 85:6323-6327, National Academy of Sciences of the USA (1988).
<i>↓</i>	AT	<u>53</u>	Thorpe, H.M., and Smith, M.C.M., "In vitro site-specific integration of bacteriophage DNA catalyzed by a recombinase of the resolvase/invertase family," <i>Proc. Natl. Acad. Sci. USA</i> 95:5505-5510, National Academy of Sciences of the USA (May 1998).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001	APPLICATION NO. 09/695,065
		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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<i>W</i>	AR	54	Tsurushita, N., et al., "Phage display vectors for in vivo recombination of immunoglobulin heavy and light chain genes to make large combinatorial libraries," <i>Gene</i> 172:59-63, Elsevier/North-Holland (1996).
<i>↓</i>	AS	54	Vanin, E.F., et al., "Development of High-Titer Retroviral Producer Cell Lines by Using Cre-Mediated Recombination," <i>J. Virol.</i> 71:7820-7826. American Society for Microbiology (1997).
<i>↓</i>	AT	54	Waterhouse, P., et al., "Combinatorial infection and in vivo recombination: a strategy for making large phage antibody repertoires," <i>Nucl. Acids Res.</i> 21(9):2265-2266, Oxford University Press (1993).

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<i>W</i>	AR	55	Wang, G., et al., "pDUAL: A transposon-based cosmid cloning vector for generating nested deletions and DNA sequencing templates <i>in vivo</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:7874-7878, National Academy of Sciences of the USA (1993).
<i>↓</i>	AS	55	Wasserman, S.A., et al., "The helical repeat of double-stranded DNA varies as a function of catenation and supercoiling," <i>Nature</i> 334:448-450, Macmillan Publishers Ltd. (1988).
<i>↓</i>	AT	55	Wierzbicki, A., et al., "A Mutational Analysis of the Bacteriophage P1 Recombinase Cre," <i>J. Mol. Biol.</i> 195:785-794, Academic Press, Inc. (1987).

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<i>W</i>	AR	<u>56</u>	Weisberg, R. A., and Landy, A., "Site-specific Recombination in Phage Lambda," in: "Lambda II," Hendrix, R. W. et al., eds., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N. Y., pp. 211-250 (1983).
<i>J</i>	AS	<u>56</u>	Wild, J., et al., "A broad-host-range in vivo pop-out and amplification system for generating large quantities of 50- to 100-kb genomic fragments for direct DNA sequencing," Gene 179:181-188, Elsevier/North-Holland (1996).
<i>↓</i>	AT	<u>56</u>	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," Gene 223:55-66, Elsevier/North-Holland (1998).

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<i>W</i>	AR	57	Winoto, A., et al., "Directional Control of Site-specific Recombination by Bacteriophage λ ," <i>J. Mol. Biol.</i> 192:677-680, Academic Press, Inc. (1986).
<i>AS</i>	AS	57	Yang, W., and Mizuuchi, K., "Site-specific recombination in plane view," <i>Structure</i> 5:1401-1406, Current Biology (1997).
<i>AT</i>	AT	57	Yanisch-Perron, C., et al., "Improved M13 phage cloning vectors and host strains: nucleotide sequences of the M13mp18 and pUC19 vectors," <i>Gene</i> 33:103-119, Elsevier/North-Holland (1985).

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<i>W</i>	AR	<u>58</u>	Yoon, Y.G., et al., "Cre/loxP-mediated in vivo excision of large segments from yeast genome and their amplification based on the 2 μm plasmid-derived system," Gene 223:67-76, Elsevier/North-Holland (1998).
<i>↓</i>	AS	<u>58</u>	York, D., et al., "Simple and efficient generation in vitro of nested deletions and inversions: Tn5 intramolecular transposition," Nucl. Acids Res. 26:1927-1933, Oxford University Press (1998).
<i>↓</i>	AT	<u>58</u>	Zhang, Y. et al., "A new logic for DNA engineering using recombination in Escherichia coli," Nat. Genet. 20:123-128, Nature Publishing Co. (1998).

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<i>W</i>	AR	<u>59</u>	Zhu, et al., "Homology requirements for ligation and strand exchange by the FLP recombinase," <i>J. Biol. Chem.</i> 270:11646-11653, American Society for Biochemistry and Molecular Biology, Inc. (1995).
<i>1</i>	AS	<u>59</u>	International Search Report for International Application No. PCT/US98/22589, mailed October 26, 1998.
<i>↓</i>	AT	<u>59</u>	Gage, P.J., et al., "A Cell-Free Recombination System for Site-Specific Integration of Multigenic Shuttle Plasmids into Herpes Simplex Type 1 Genome," <i>J. Virol.</i> 66:5509-5515, American Society for Microbiology (1992).

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AM							Yes No
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AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	60	Götz, F., et al., "Escherichia coli 30S mutants lacking protein S20 are defective in translation initiation," <i>Biochim. Biophys. Acta</i> 1050:93-97, Elsevier Publishing Co. (1990).
<i>↓</i>	AS	60	Green, R. and Noller, H.F., "Ribosomes and Translation," <i>Ann. Rev. Biochem.</i> 66:679-716, Annual Reviews, Inc. (1997).
<i>↓</i>	AT	60	Jeong, J.-H., et al., "Cloning and nucleotide sequencing of the genes, <i>rplU</i> and <i>rpmA</i> , for ribosomal proteins L21 and L27 of <i>Escherichia coli</i> ," <i>J. DNA sequencing and Mapping</i> 4:59-67, Harwood Academic Publishers GmbH (1993).

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AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>61</u>	Kitts, P.A. and Nash, H.A., "Bacteriophage Lambda Site-Specific Recombination Proceeds with a Defined Order of Strand Exchanges," <i>J. Mol. Biol.</i> 204:95-107, Academic Press, Inc. (1988).
<i>C</i>	AS	<u>61</u>	Lake, J.A., "Evolving Ribosome Structure: Domains in Archaeabacteria, Eubacteria, Eocytes and Eukaryotes," <i>Ann. Rev. Biochem.</i> 54:507-530, Annual Reviews, Inc. (1985).
<i>V</i>	AT	<u>61</u>	Mackie, G.A., "Nucleotide Sequence of the Gene for Ribosomal Protein S20 and Its Flanking Regions," <i>J. Biol. Chem.</i> 256:8177-8182, American Society for Biochemistry and Molecular Biology, Inc. (1981).

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	<u>62</u>	Nomura, M., et al., "Regulation of the Synthesis of Ribosomes and Ribosomal Components," <i>Ann. Rev. Biochem.</i> 53:75-117, Annual Reviews, Inc. (1984).
<i>↓</i>	AS	<u>62</u>	Wittman, H.G., "Components of Bacterial Ribosomes," <i>Ann. Rev. Biochem.</i> 51:155-183, Annual Reviews, Inc. (1982).
<i>↓</i>	AT	<u>62</u>	Wittmann, H.G., "Architecture of Prokaryotic Ribosomes," <i>Ann. Rev. Biochem.</i> 52:35-65, Annual Reviews, Inc. (1983).

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<i>W</i>	AR	<u>63</u>	Jayaram, M., "The Int family of site-specific recombinases: Some thoughts on a general reaction mechanism," <i>J. Genet.</i> 67:29-36, Indian Academy Of Sciences Bangalore (1988).
<i>C</i>	AS	<u>63</u>	Angelastro, J.M., et al., "Identification of diverse nerve growth factor-regulated genes by serial analysis of gene expression (SAGE) profiling," <i>Proc. Natl. Acad. Sci. USA</i> 97:10424-10429, National Academy of Sciences of the USA (September 2000).
<i>↓</i>	AT	<u>63</u>	Burioni, R., et al., "An improved phage display vector for antibody repertoire cloning by construction of combinatorial libraries," <i>Res. Virol.</i> 148:161-164, Elsevier (1997).

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<i>M</i>	AR	64	Capone, J.P., et al., "Introduction of UAG, UAA, and UGA Nonsense Mutations at a Specific Site in the <i>Escherichia coli</i> Chloramphenicol Acetyltransferase Gene: Use in Measurement of Amber, Ochre, and Opal Suppression in Mammalian Cells," <i>Mol. Cell. Biol.</i> 6:3059-3067, American Society for Microbiology (1986).
<i>↓</i>	AS	64	Chanock, R.M., et al., "Human Monoclonal Antibody Fab Fragments Cloned from Combinatorial Libraries: Potential Usefulness in Prevention and/or Treatment of Major Human Viral Diseases," <i>Infect. Agents Dis.</i> 2:118-131, Raven Press (1993).
<i>↓</i>	AT	64	Chong, S., et al., "Single-column purification of free recombinant proteins using a self-cleavable affinity tag derived from a protein splicing element," <i>Gene</i> 192:271-281, Elsevier Science B.V. (1997).

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<i>u</i>	AR	<u>65</u>	Chuang, C.-F., et al., "Specific and heritable genetic interference by double-stranded RNA in <i>Arabidopsis thaliana</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 97:4985-4990, National Academy of Sciences of the USA (April 2000).
<i>↓</i>	AS	<u>65</u>	Datson, N.A., et al., "MicroSAGE: a modified procedure for serial analysis of gene expression in limited amounts of tissue," <i>Nucl. Acids Res.</i> 27:1300-1307, Oxford University Press (March 1999).
<i>↓</i>	AT	<u>65</u>	Davis, C.R., et al., "Analysis of the Mechanisms of Action of the <i>Saccharomyces cerevisiae</i> Dominant Lethal <i>cdc42^{G12V}</i> and Dominant Negative <i>cdc42^{D118A}</i> Mutations," <i>J. Biol. Chem.</i> 273:849-858, The American Society for Biochemistry and Molecular Biology, Inc. (1998).

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W	AR	<u>66</u>	Deng, M.-D., and Coleman, J.R., "Ethanol Synthesis by Genetic Engineering in Cyanobacteria," <i>Appl. Environ. Microbiol.</i> 65:523-528, American Society for Microbiology (February 1999).
V	AS	<u>66</u>	Derbyshire, V., and Belfort, M., "Lightning strikes twice: Intron-intein coincidence," <i>Proc. Natl. Acad. Sci. USA</i> 95:1356-1357, National Academy of Sciences of the USA (1998).
V	AT	<u>66</u>	Esposito, D., et al., "The integrase family of tyrosine recombinases: evolution of a conserved active site domain," <i>Nucl. Acids Res.</i> 25:3605-3614, Oxford University Press (1997).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>67</u>	Flores, A., et al., "A protein-protein interaction map of yeast RNA polymerase III," <i>Proc. Natl. Acad. Sci. USA</i> 96:7815-7820, National Academy of Sciences of the USA (July 1999).
<i>↓</i>	AS	<u>67</u>	Francia, M.V., et al., "The IntI1 Integron Preferentially Binds Single-Stranded DNA of the attC Site," <i>J. Bacteriol.</i> 181:6844-6849, American Society for Microbiology (1999).
<i>✓</i>	AT	<u>67</u>	Hancock, R.E.W., and Scott, M.G., "The role of antimicrobial peptides in animal defenses," <i>Proc. Natl. Acad. Sci. USA</i> 97:8856-8861, National Academy of Sciences of the USA (August 2000).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001	APPLICATION NO. 09/695,065
		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655

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AL							Yes No
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AO							Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>68</u>	Kealy, J.T., et al., "Production of a polyketide natural product in nonpolyketide-producing prokaryotic and eukaryotic hosts," <i>Proc. Natl. Acad. Sci. USA</i> 95:505-509, National Academy of Sciences of the USA (1998).
<i>↓</i>	AS	<u>68</u>	Kholodenko, B.N., et al., "Metabolic Design: How to Engineer a Living Cell to Desired Metabolite Concentrations and Fluxes," <i>Biotechnol. Bioengineer.</i> 59:239-247, John Wiley & Son (1998).
<i>↓</i>	AT	<u>68</u>	Kouprina, N., et al., "Rescue of Targeted Regions of Mammalian Chromosomes by in Vivo Recombination in Yeast," <i>Genome Res.</i> 8:666-672, Cold Spring Harbor Research Laboratory Press (1998).

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<i>W</i>	AR	69	Leung, L.L.K., "Application of Combinatorial Libraries and Protein Engineering to the Discovery of Novel Anti-Thrombotic Drugs," <i>Thromb. Haemost.</i> 74:373-376, F.K. Schattauer Verlagsgesellschaft mbH (1995).
<i>1</i>	AS	69	Madison, L.L., and Huisman, G.W., "Metabolic Engineering of Poly(3-Hydroxyalkanoates): From DNA to Plastic," <i>Microbiol. Mol. Biol. Reviews</i> 63:21-53, American Society for Microbiology (March 1999).
<i>↓</i>	AT	69	Maemura, K., et al., "Generation of a Dominant-negative Mutant of Endothelial PAS Domain Protein 1 by Deletion of a Potent C-terminal Transactivation Domain," <i>J. Biol. Chem.</i> 274:31565-31570, The American Society for Biochemistry and Molecular Biology, Inc. (1999).

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<i>W</i>	AR	<u>70</u>	Mahillon, J., et al., "Subdivision of the Escherichia coli K-12 genome for sequencing: manipulation and DNA sequence of transposable elements introducing unique restriction sites," <i>Gene</i> 223:47-54, Elsevier Science B.V. (1998).
<i>J</i>	AS	<u>70</u>	Mette, M.F., et al., "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," <i>EMBO J.</i> 19:5194-5201, European Molecular Biology Organization (October 2000).
<i>V</i>	AT	<u>70</u>	O'Gara, J.P., et al., "Identification and Molecular Genetic Analysis of Multiple Loci Contributing to High-Level Tellurite Resistance in <i>Rhodobacter sphaeroides</i> 2.4.1," <i>Appl. Environ. Microbiol.</i> 63:4713-4720, American Society for Microbiology (1997).

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<i>W</i>	AR	<u>71</u>	Panke, S., et al., "Engineering of Quasi-Natural <i>Pseudomonas putida</i> Strains for Toluene Metabolism through an <i>ortho</i> -Cleavage Degradation Pathway," <i>Appl. Environ. Microbiol.</i> 64:748-751, American Society for Microbiology (1998).
<i>↓</i>	AS	<u>71</u>	Patel, P.H., and Loeb, L.A., "DNA polymerase active site is highly mutable: Evolutionary consequences," <i>Proc. Natl. Acad. Sci. USA</i> 97:5095-5100, National Academy of Sciences of the USA (May 2000).
<i>↓</i>	AT	<u>71</u>	Perler, F.B., "InBase, the New England Biolabs Intein Database," <i>Nucl. Acids Res.</i> 27:346-347, Oxford University Press (January 1999).

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<i>W</i>	AR	<u>72</u>	Persson, M.A.A., "Combinatorial Libraries," <i>Intern. Rev. Immunol.</i> 10:153-63, Harwood Academic Publishers GmbH (1993).
<i>↓</i>	AS	<u>72</u>	Phillips-Jones, M.K., et al., "Context Effects on Misreading and Suppression at UAG Codons in Human Cells," <i>Mol. Cell. Biol.</i> 15:6593-6600, American Society for Microbiology (1995).
<i>↓</i>	AT	<u>72</u>	Powell, J., "Enhanced concatemer cloning-a modification to the SAGE (Serial Analysis of Gene Expression) technique," <i>Nucl. Acids Res.</i> 26:3445-3446, Oxford University Press (1998).

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<i>W</i>	AR	<u>73</u>	Prieto, M.A., et al., "Molecular Characterization of the 4-Hydroxyphenylacetate Catabolic Pathway of <i>Escherichia coli</i> W: Engineering a Mobile Aromatic Degradative Cluster," <i>J. Bacteriol.</i> 178:111-120, American Society for Microbiology (1996).
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<i>↓</i>	AT	<u>73</u>	Sandhu, J.S., "Protein Engineering of Antibodies," <i>Crit. Rev. Biotechnol.</i> 12:437-62, CRC Press, Inc. (1992).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	74	Schnepf, E., et al., "Bacillus thuringiensis and Its Pesticidal Crystal Proteins," <i>Microbiol. Mol. Biol. Rev.</i> 62:775-806, American Society for Microbiology (1998).
<i>↓</i>	AS	74	Shim, J., et al., "Distinct and Redundant Functions of $\mu 1$ Medium Chains of the AP-1 Clathrin-Associated Protein Complex in the Nematode <i>Caenorhabditis elegans</i> ," <i>Mol. Biol. Cell</i> 11:2743-2756, American Society for Biology (August 2000).
<i>↓</i>	AT	74	Simpson, J.C., et al., "Systematic subcellular localization of novel proteins identified by large-scale cDNA sequencing," <i>EMBO Reports</i> 1:287-292, European Molecular Biology Organization (September 2000).

EXAMINER	<i>Final a</i>	DATE CONSIDERED	<i>1/13/01</i>
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		APPLICANT Brasch et al.	
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AN							Yes No
AO							Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>u</i>	AR	75	Skraly, F.A., et al., "Construction and Characterization of a 1,3-Propanediol Operon," <i>Appl. Environ. Microbiol.</i> 64:98-105, American Society for Microbiology (1998).
<i>l</i>	AS	75	Spinella, D.G., et al., "Tandem arrayed ligation of expressed sequence tags (TALEST): a new method for generating global gene expression profiles," <i>Nucl. Acids Res.</i> 27(e22):i-viii, Oxford University Press (1999).
<i>↓</i>	AT	75	Stassi, D.L., et al., "Ethyl-substituted erythromycin derivatives produced by directed metabolic engineering," <i>Proc. Natl. Acad. Sci. USA</i> 95:7305-7309, National Academy of Sciences of the USA (1998).

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<i>W</i>	AR	76	Stellwagen, A.E., and Craig, N.L., "Mobile DNA elements: controlling transposition with ATP-dependent molecular switches," <i>Trends Biochem. Sci.</i> 23:486-490, Elsevier Science Publishers (1998).
<i>↓</i>	AS	76	van den Berg, A., et al., "Serial analysis of gene expression: rapid RT-PCR analysis of unknown SAGE tags," <i>Nucl. Acid Res.</i> 27(e17):i-iii, Oxford University Press (1999).
<i>↓</i>	AT	76	Voznyanov, Y., et al., "A general model for site-specific recombination by the integrase family recombinases," <i>Nucl. Acids Res.</i> 27:930-941, Oxford University Press (1999).

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	77	Wild, J., et al., "Targeting and retrofitting pre-existing libraries of transposon insertions with FRT and oriV elements for in-vivo generation of large quantities of any genomic fragment," Gene 223:55-66, Elsevier Science B.V. (1998).
<i>AS</i>	AS	77	"Gateway™ Cloning Technology," Version 1, GIBCO BRL, Life Technologies Instruction Manual, [retrievable from <http://www.lifetech.com/gateway>], pp. 1-60 (November 1999).
<i>AT</i>	AT	77	"Gateway™ Cloning Technology," GIBCO BRL, Life Technologies Instruction Manual, [retrievable from <http://www.lifetech.com/gateway>], pp. 1-54 (December 2000).

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<i>W</i>	AR	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/177,387, filed October 23, 1998.
<i>↓</i>	AS	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/233,492, filed January 20, 1999.
<i>↓</i>	AT	<u>78</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,280, filed April 22, 1999.

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<i>u</i>	AR	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/296,281, filed April 22, 1999.
<i>l</i>	AS	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/438,358, filed November 12, 1999.
<i>v</i>	AT	<u>79</u>	Pending U.S. Non-Provisional Patent Application No. 09/517,466, filed March 2, 2000.

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<i>W</i>	AR	<u>80</u>	Pending U.S. Non-Provisional Patent Application No. 09/518,188, filed March 2, 2000.
<i>↓</i>	AS	<u>80</u>	Pending U.S. Non-Provisional Patent Application No. 09/732,914, filed December 11, 2000.
<i>↓</i>	AT	<u>80</u>	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," <i>Plant J.</i> 7:649-659 Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (1995).

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<i>W</i>	AR	<u>81</u>	Bernard, P., "Positive Selection of Recombinant DNA by CcdB," <i>BioTechniques</i> 21:320-323, Eaton Publishing Company (1996).
<i>↓</i>	AS	<u>81</u>	Dale, E.C., and Ow, D.W., "Mutations in the Cre/lox recombination site enhance the stability of recombination products: Applications for gene targeting in plants," <i>J. Cell. Biochem. 16(Suppl. F):206</i> , Abstract No. Y 108, Wiley-Liss, Inc. (1992).
<i>↓</i>	AT	<u>81</u>	Davies, J., and Riechmann, L., "An antibody VH domain with a lox-Cre site integrated into its coding region: bacterial recombination within a single polypeptide chain," <i>FEBS Lett. 377:92-96</i> , Federation of European Biochemical Societies (1995).

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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>		ATTY. DOCKET NO. 0942.5000001	APPLICATION NO. 09/695,065
		APPLICANT Brasch et al.	
		FILING DATE October 25, 2000	GROUP 1655
		U. S. PATENT DOCUMENTS	

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA							
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL							Yes No
AM							Yes No
AN							Yes No
AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	<u>82</u>	Hall, R.M., and Collis, C.M., "Mobile gene cassettes and integrons: capture and spread of genes by site-specific recombination," <i>Mol. Microbiol.</i> 15:593-600, Blackwell Scientific Publications (1995).
<i>↓</i>	AS	<u>82</u>	Henikoff, S., "Unidirectional digestion with exonuclease III creates targeted breakpoints for DNA sequencing," <i>Gene</i> 28:351-359, Elsevier Science Publishers (1984).
<i>↓</i>	AT	<u>82</u>	Kraft, D.S., et al., "Stable Expression and Functional Characterization of a Human Cardiac Na ⁺ Channel Gene in Mammalian Cells," <i>J. Mol. Cell Cardiol.</i> 27:823-830, Academic Press Limited (1995).

EXAMINER	<i>Brasch et al.</i>	DATE CONSIDERED	<i>11/13/2001</i>
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	83	Lee, G., and Saito, I., "Role of nucleotide sequences of loxP spacer region in Cre-mediated recombination," Gene 216:55-65, Elsevier Science B.V. (August 1998).
<i>↓</i>	AS	83	Venkatesh, T.V., and Redding, C.M., "Ribosomal Protein S1 and NusA Protein Complexed to Recombination Protein β of Phage λ ," J. Bacteriol. 175:1844-1846, American Society for Microbiology (1993).
<i>↓</i>	AT	83	Zahra, D.G., et al., "Selective in-vivo recombination to increase antibody library size - an improved phage display vector system," Gene 227:49-54, Elsevier Science Publishers B.V. (February 1999).

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AO							Yes No
AP							Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>W</i>	AR	84	Dialog File 351 (Derwent World Patents Index), unverified English language abstract for WIPO/PCT Publication No. WO 98/53056 (Document No. AP4); WPI Accession No. 1999-000502/199901.
<i>↓</i>	AS	84	Dialog File 351 (Derwent World Patents Index), unverified English language abstract for WIPO/PCT Publication No. WO 99/25851 (Document No. AM5); WPI Accession No. 1999-347485/199929.
<i>↓</i>	AT	84	International Search Report for PCT/US00/29355, mailed February 26, 2001.

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